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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/939,247	08/24/2001	Ibrahim M. Kamel	9432-000125	2199

27572 7590 09/12/2005

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EXAMINER

VU, THONG H

ART UNIT PAPER NUMBER

2142

DATE MAILED: 09/12/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/939,247

Applicant(s)

KAMEL, IBRAHIM M.

Examiner

Thong H. Vu

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 August 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-26 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 24 August 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

1. Claims 1-26 are pending.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Harvey et al [Harvey 6,519,568 B1] in view of Fan et al [Fan 6,219,706 B1].

2. As per claim 1, Harvey discloses A method for transferring files between a residential electronics device and a remote server [Harvey, remote file systems, col 9 lines 40-50], the method comprising the steps of:

establishing a proxy session with a file transfer protocol (FTP) client of the electronics device over a single connection communications link [Harvey, a proxy server for FTP and HTTP between a client and a server, col 24 lines 1-3];

mapping messages between the FTP session and the proxy session such that the messages are transferred between the electronics device and the remote server [Harvey, the converter application server provides data conversion, mapping between various file formats, col 19 lines 20-25].

However Harvey does not explicitly detail "establishing a FTP session with the remote server over a dual connection communications link (i.e.: FTP commands/replies with control connection and data connection, Fig 8);"

It was well-known in the FTP art that the FTP provides a control channel (or connection, link) and data channel [see Fan, Saito references].

Therefore it would have been obvious to an ordinary skill in the art at the time the invention was made to incorporate the method for establishing a FTP session with remote device over a dual communication link [Fan, a control channel and data channel, col 2 lines 7-25] as taught by Fan into the Harvey's apparatus in order to utilize the FTP process. Doing so would provide a flexibility and efficiency of the firewall or web proxy [Fan, col 2 lines 41-50]

3. As per claim 2, Harvey-Fan disclose defining a proxy messaging structure for the proxy session; converting incoming FTP messages received from the FTP server into outgoing proxy messages having the proxy messaging structure; and converting incoming proxy messages received from the FTP client into outgoing FTP messages, wherein the incoming proxy messages have the proxy messaging structure [Harvey, col 21 lines 59-64].

4. As per claim 3 Harvey-Fan disclose defining a shared messaging structure for the proxy session such that each proxy message includes a shared message having a control field and a data field; said control field containing control content for a corresponding FTP message; said data field containing data content for the corresponding FTP message [Fan, a control channel and data channel, col 2 lines 7-

25].

5. As per claim 4 Harvey-Fan disclose defining the control field as being a message **header** of the shared message as inherent feature of email [Harvey, col 22 lines 53].

6. As per claim 5 Harvey-Fan disclose defining the data field as being a message body of the shared message as inherent feature of email [Harvey, col 22 lines 53].

7. As per claim 6 Harvey-Fan disclose defining the data field of the shared message to be empty when there is no data content for the corresponding FTP message as inherent feature of email [Harvey, col 22 lines 53].

8. As per claim 7 Harvey-Fan disclose defining a dedicated messaging structure for the proxy session such that each FTP message maps to a dedicated control message [Harvey, mapping between various file format, col 19 lines 20-30]; said dedicated control message containing control content for the FTP message [Fan, a control channel and data channel, col 2 lines 7-25].

9. As per claim 8 Harvey-Fan disclose mapping the FTP message to a dedicated data message such that the dedicated data message contains data content for the FTP message [Harvey, mapping between various file format, col 19 lines 20-30].

10. As per claim 9 Harvey-Fan disclose defining a hypertext transfer protocol (HTTP) messaging structure for the proxy session such that each FTP message maps to an HTTP message [Harvey, HTTP and FTP, col 23 line 31].

11. As per claim 10 Harvey-Fan disclose registering a web proxy functional component module (FCM) with a home network including the FTP client as inherent feature of proxy server and FTP client.

12. As per claim 11 Harvey-Fan disclose receiving a network query for the web proxy FCM from the FTP client [Harvey, query, col 2 line 65-23 line 10]; and activating a web agent for the FTP client [Harvey, web browser, col 12 lines 37].

13. As per claim 12 Harvey-Fan disclose establishing a control connection between the web proxy FCM and the remote server ; establishing a data connection between the web proxy and the remote server; and said web proxy being remotely located from the electronics device [Harvey, Proxy server over Internet, Fig 3].

14. As per claim 13 Harvey-Fan disclose A method for mapping messages between a file transfer protocol (FTP) session and a proxy session, the method comprising the steps of:

defining a proxy messaging structure (i.e.: format) for the proxy session [Harvey, proxy server, col 24 lines 1-3; file format, col 19 lines 20-30];

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converting incoming FTP messages received from a FTP server into outgoing proxy messages having the proxy messaging structure [Harvey, the converter application server provides data conversion, mapping between various file formats, col 19 lines 20-25]; and

converting incoming proxy messages received from a FTP client into outgoing FTP messages [Harvey, input file form and output format, col 21 lines 59-64], wherein the incoming proxy messages have the proxy messaging structure [Fan, a control channel and data channel, col 2 lines 7-25].

15. Claims 14-19 contain the similar limitations set forth in claims 3-5,7-9. Therefore claims 14-19 are rejection for the same rationale set forth in claims 3-5,7-9.

16. As per claim 20 Harvey-Fan disclose A residential networking architecture comprising:

an electronics device having a file transfer protocol (FTP) client; a web proxy functional component module (FCM) for maintaining a proxy session with the FTP client, the web proxy FCM further maintaining a file transfer protocol (FTP) session with a remote server over a dual connection communications link [Fan, a control channel and data channel, col 2 lines 7-25]; and a serial bus network for providing a single communications link [Fan, a single control channel ,col 3 line 1-5] between the FTP client and the web proxy FCM [Harvery, a proxy server with FTP between client and

server, col 24 lines 1-3, Fig 3].

17. As per claim 21 Harvey-Fan disclose the web proxy FCM includes: a lookup table containing a table of active web agents; a server module for maintaining the lookup table; and a helper module using the lookup table to generate responses to messages received from the proxy session and the FTP session [Harvey, lookup algorithm, col 25 line 62].

18. As per claim 22 Harvey-Fan disclose the FCM further includes a listening module (i.e.: monitor function), the listening module for receiving messages from the proxy session and the FTP session [Harvey, monitor, col 18 lines 1-10; col 23 lines 28-35].

19. As per claim 23 Harvey-Fan disclose the FCM further includes an identification module for allocating and de-allocating client identifiers [Fan, allowing or disallowing, col 16 lines 64-67].

20. As per claim 24 Harvey-Fan disclose the electronics device is a digital video disk machine [Harvey, CD-ROM, RAID, col 12 lines 59-63].

21. As per claims 25,26 Harvey-Fan disclose the electronics device is a camcorder or a microwave as inherent feature of client device.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner *Thong Vu*, whose telephone number is (571)-272-3904. The examiner can normally be reached on Monday-Thursday from 8:00AM-4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, *Andrew Caldwell*, can be reached at (571) 272-3868. The fax number for the organization where this application or proceeding is assigned is 571-273-8300

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval IPAIRI system. Status information for published applications may be obtained from either Private PMR or Public PMR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thong Vu
Patent Examiner
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A handwritten signature in black ink, appearing to read 'Thong', with a horizontal line underneath.